

XII. *Description of Seven New Species of Plants from New Holland.* By Edward Rudge, Esq. F.R.S. and L.S.

Read March 5, and April 16, 1805.

THE botany of New Holland is as yet more imperfectly known in proportion to the extent of the country, than that of any other portion of the globe.

The collections which have hitherto found their way from thence to Europe, have been made entirely in the vicinity of the coast, the more interior parts remaining as yet to us a Terra incognita: and from the frequent and determined opposition which the new Settlers in those parts have experienced from the Natives, as appears by the most recent accounts, it must be many years before any accurate knowledge can be acquired of the inland parts.

No General Flora of this extensive country has yet been even attempted\*; and all the Genera and Species hitherto described and figured, have been given either in detached parts, or with a view to exhibit a specimen of its vegetable productions. "The Botany of New Holland," some Papers in our Transactions by our learned and esteemed President, a few Species which have unaccountably found their way into Cavanilles' 4th volume of Icones, and some detached figures in the Botanist's Repository, and in the Voyage of La Billardière, constitute the principal part

\* Since this paper was read, La Billardière's work on the Plants of New Holland has been published.

of what has hitherto been presented to the Public from this source. I flatter myself, therefore, that the descriptions of the seven following new Species may not be unacceptable to the Linnean Society.

Since this Paper was written, figures of *Tetratheca glandulosa* and *T. ericæfolia* have appeared in *Exotic Botany*, which made me hesitate on the propriety of inserting figures and descriptions of the same plants; but after a comparison, I found a sufficient difference between those figures and mine, to induce me not to alter my original intention.

STYPHELIA AMPLEXICAULIS.

*Pentandria Monogynia.*

*S.* corollæ limbo recurvo-patente hirsutissimo; spicis axillaribus longe pedunculatis; foliis alternis, cordatis amplexicaulibus.

TAB. VIII.

*Frutex* erectus, ramosus: *Rami* longissimi.

*Caulis* parum flexuosus, villosus, rubescens, striatus.

*Gemmæ* axillares.

*Folia* alterna, cordata, amplexicaulia, multinervia, subtus albida, subtus et præcipue margine villosa, oris revolutis.

*Flores* spicati.

*Bracteæ* duæ, calyce breviores, acutæ.

*Calyx* quinquepartitus, laciniis lanceolatis acutissimis rigidis.

*Corolla* tubulosa, brevissima, calyce longior, extus lævis; limbis quinque patentibus recurvis intus hirsutissimis.

*Nectarium* cotyliforme, quinquelobum, læve.

*Stamina*: *Filamenta* quinque, corollâ multo breviora, tubo inserta: *Antheræ* longæ, versatiles, supernè acutæ, infernè latiores, obtusæ.

*Pistillum*:



*Stypelia amplexicaulis*



*Styphelia amplexicaulis.*

Linn. Trans. VIII. tab. 9. p. 293.



*Cyathodes laurina*.

Anna Rudge del.

*Pistillum*: *Germen* parvum, globosum, striatum, læve: *Stylus* brevis: *Stigma* obtusum.

Habitat prope Port Jackson in Nova Hollandia.

Fig. 1. Planta magnitudine naturali.

2. Flos integer expansus, magnitudine auctus.

3. Calyx cum bracteis.

4. Corolla aperta.

5. Nectarium. *Germen*. *Stylus*.

6. 7. *Antheræ* a latere et fronte visæ.

CYATHODES LAURINA.

*C.* foliis ovali-lanceolatis, integerrimis, glabris, nervosis; spicis gracilibus, terminalibus.

TAB. IX.

*Frutex* ramosus.

*Caulis* erectus, gracilis, parum angulatus, lævis.

*Gemmæ* parvæ, persistentes, supra axillares.

*Folia* petiolata, frondosa, ovali-lanceolata, integerrima, obtusa, supra glabra, subtus lævia, *nervis* quinque ad septem ut in Corno parallelis, planiuscula.

*Petoli* breves.

*Flores* spicis gracilibus, flexuosis præcipuè ante expansionem corollæ, multifloris: *Pedunculis* angulatis, terminalibus, rubescentibus.

*Bracteæ* tres sub calyce imbricatæ, quarum duæ superiores oppositæ, ovatæ, exquisitè ciliatæ, carinatæ.

*Calyx* pentaphyllus: *Foliola* etiam imbricata, et structurâ bractearum sed magis orbicularia.

*Corolla* tubulosa, brevis, calyce duplò longior, infundibuliformis, extus

extus lævis, laciniis quinque patentibus, recurvis intus hirsutis.

Nectarium cotyliforme, quinquelobum, læve.

Stamina: Filamenta quinque, corollâ breviora, versus apicem incrassata, inter limbi lacinias inserta: Antheræ oblongæ, recurvo-deflexæ, obtusæ.

Pistillum: Germen ovato-pyramidale, striatum, læve: Stylus vix ullus: Stigma simplex.

Habitat prope Port Jackson in Nova Hollandia.

Fig. 1. Planta magnitudine naturali.

2. Flos integer expansus magnitudine auctus.

3. Calyx.

4. Corolla aperta.

5. 6. Antheræ a latere et fronte visæ.

7. Nectarium. Germen. Stylus.

**TETRATHECA GLANDULOSA.**

*Octandria Monogynia.*

T. foliis ternis linearibus, rarè serrulatis: calyce pericarpioque pilis glandulosis hirsutis.

**TAB. X.**

T. glandulosa. *Smith Exot. Bot. t. 21.*

*Frutex humilis.*

*Caulis gracilis, erectus, internodiis foliis vix longioribus, parum decompositus vel ramis saltem longis simplicibus.*

*Folia tenuia, linearia, rarè serrulata apice acuto incurvo, ad lentem scabriuscula.*

*Flores ex axillis plerisque superioribus solitarii.*

*Bracteæ ad basin pedunculi solitariae, minutæ.*

*Pedunculi*



*Tetratheca glandulosa*

Anne Ruyge del.



*Tetratheca ericaefolia.*



*Pedunculi* graciles, foliis breviores, versus apicem incrassati, pilis raris glandulosis aspersi.

*Calyx* profundè 4-fidus, laciniis ovatis, pilis glandulosis aspersus.

*Corolla*: *Petala* rosea, obovata, repandula, utrinque lævia.

*Stamina*: *Filamenta* octo, brevia lataque, atro-purpurea, linearia, basi imâ dilatâtâ, glabra.

*Antheræ* filamentis confluentes structurâ Congenerum si probe inspicias; loculis quatuor angustis, duobus anterioribus multo brevioribus.

*Pericarpium* subrotundum, pilis glandulosis inter filamenta præcipue patentibus dense vestitum.

*Stylus* sensim angustatus.

*Stigma* simplex.

Habitat prope Port Jackson in Nova Hollandia.

Fig. 1. Planta magnitudine naturali.

2. Flos integer, expansus.

3. Corolla cum calyce facie exteriori exposita.

4. Petalum.

5. Calyx. Stamina.

6. Anthera dorso visa.

7. Eadem transverse secta.

8. Pistillum.

TETRATHECA ERICÆFOLIA.

*T.* foliis quaternis quinisve, verticillatis, calyce pericarpioque fere glabris.

TAB. XI.

*T. ericifolia.* *Smith's Exot. Bot.* t. 20.

*Frutex* humilis.

*Caulis*